## <u>Claims</u>

Claims 1-14 (cancelled)

- 15. (currently amended) A plant transformed with a nucleic acid <u>sequence</u> encoding an aspartate <u>carboxylase</u> <u>decarboxylase</u>, <u>wherein the amino acid sequence of said</u> <u>aspartate decarboxylase has at least 80% sequence identity with SEQ ID NO: 2</u>.
- 16. (currently amended) The transformed plant of claim 15, wherein expression of said nucleic acid sequence results in having increased biomass.
- 17. (currently amended) The transformed plant of claim 15 <u>wherein expression of said</u> <u>nucleic acid sequence results inhaving</u> increased stress tolerance.
- 18. (currently amended) The transformed plant of claim 17, wherein expression of said nucleic acid sequence results in the plantsplant have having increased drought tolerance.
- 19. (currently amended) The transformed plant of claim 17, wherein expression of said nucleic acid sequence results in the plantsplant have having increased salt tolerance.
- 20. (currently amended) The transformed plant of claim 17, wherein <u>expression of said</u> <u>nucleic acid sequence results in the plantsplant have having increased freezing tolerance.</u>
- 21. (currently amended) The transformed plant of claim 15, wherein said aspartate carboxylase decarboxylase has the amino acid sequence of SEQ ID NO: 2.
- 22. (currently amended) The transformed plant of claim 15, wherein said aspartate carboxylase decarboxylase is encoded by a nucleic acid having the sequence of SEQ ID NO: 1.
- 23. (currently amended) The transformed plant of claim 15, wherein said aspartate carboxylase is encoded by a nucleic acid sequence which has a sequence which is having at least 70% identical identity to SEQ ID NO: 1.

- 24. (currently amended) The transformed plant of claim 15, wherein said aspartate carboxylase is encoded by a nucleic acid sequence which ishaving at least 90% identical identity to SEQ ID NO: 1.
- 25. (currently amended) The transformed plant of claim 15, wherein said aspartate <u>decarboxylase carboxylase</u> is encoded by a nucleic acid <u>sequence</u> which hybridizes under stringent conditions to the <u>full-length</u> complement of SEQ ID NO: 1, wherein said stringent conditions comprise washing in 5.times.x SSC at a temperature of <u>form-from</u> 50 to 68 <u>degrees</u> C.
- 26. (cancelled).
- 27. (currently amended) The transformed plant of claim 15, wherein the amino acid sequence of said aspartate <u>carboxylase decarboxylase</u> has a <u>homology of</u> at least 90% <u>sequence identity</u> with SEQ ID NO: 2.
- 28. (currently amended) The transformed plant of claim 15, wherein the plant is selected from the group consisting of wheat, corn, peanut, cotton, oat, and soybean.
- 29. (currently amended) A plant cell, transformed with a nucleic acid <u>sequence</u> encoding an aspartate <u>carboxylase</u>decarboxylase, wherein the amino acid sequence of said aspartate decarboxylase has at least 80% sequence identity with SEQ ID NO: 2.
- 30. (currently amended) The transformed plant cell of claim 29, wherein said aspartate carboxylase decarboxylase has the amino acid sequence of SEQ ID NO: 2.
- 31. (currently amended) The transformed plant cell of claim 30 wherein said aspartate carboxylase is encoded by a nucleic acid having the sequence of SEQ ID NO: 1.
- 32. (currently amended) The transformed plant cell of claim 29, wherein said aspartate carboxylase is encoded by a nucleic acid sequence which has a sequence which ishaving at least 70% identical identity to SEQ ID NO: 1.

- 33. (currently amended) The transformed plant cell of claim 29, wherein said aspartate carboxylase is encoded by a nucleic acid sequence which has a sequence which is having at least 90% identical identity to SEQ ID NO: 1.
- 34. (currently amended) The transformed plant cell of claim 29, wherein said aspartate carboxylase is encoded by a nucleic acid sequence which hybridizes under stringent conditions to the full-length complement of SEQ ID NO: 1, wherein said stringent conditions comprise washing in 5.times. x SSC at a temperature of form-from 50 to 68.degree. degrees C.

35. (cancelled).